

ABSTRACT OF THE DISCLOSURE

[0072] A method of promoting regeneration of surface cartilage of a joint includes the steps of covering the area to be treated with a patch which includes a sheet of collagen membrane material. The collagen membrane material has at least one barrier layer to prevent passage of cells therethrough. The collagen membrane further includes a matrix layer predominantly of collagen II having an open sponge-like texture. The patch is fixed over the area to be treated, and the area is allowed to regenerate cartilage.

5

P. 0001-0002, 0003-0004, 0005-0006, 0007-0008, 0009-0010, 0011-0012, 0013-0014, 0015-0016, 0017-0018, 0019-0020, 0021-0022, 0023-0024, 0025-0026, 0027-0028, 0029-0030, 0031-0032, 0033-0034, 0035-0036, 0037-0038, 0039-0040, 0041-0042, 0043-0044, 0045-0046, 0047-0048, 0049-0050, 0051-0052, 0053-0054, 0055-0056, 0057-0058, 0059-0060, 0061-0062, 0063-0064, 0065-0066, 0067-0068, 0069-0070, 0071-0072, 0073-0074, 0075-0076, 0077-0078, 0079-0080, 0081-0082, 0083-0084, 0085-0086, 0087-0088, 0089-0090, 0091-0092, 0093-0094, 0095-0096, 0097-0098, 0099-0100, 0101-0102, 0103-0104, 0105-0106, 0107-0108, 0109-0110, 0111-0112, 0113-0114, 0115-0116, 0117-0118, 0119-0120, 0121-0122, 0123-0124, 0125-0126, 0127-0128, 0129-0130, 0131-0132, 0133-0134, 0135-0136, 0137-0138, 0139-0140, 0141-0142, 0143-0144, 0145-0146, 0147-0148, 0149-0150, 0151-0152, 0153-0154, 0155-0156, 0157-0158, 0159-0160, 0161-0162, 0163-0164, 0165-0166, 0167-0168, 0169-0170, 0171-0172, 0173-0174, 0175-0176, 0177-0178, 0179-0180, 0181-0182, 0183-0184, 0185-0186, 0187-0188, 0189-0190, 0191-0192, 0193-0194, 0195-0196, 0197-0198, 0199-0200, 0201-0202, 0203-0204, 0205-0206, 0207-0208, 0209-0210, 0211-0212, 0213-0214, 0215-0216, 0217-0218, 0219-0220, 0221-0222, 0223-0224, 0225-0226, 0227-0228, 0229-0230, 0231-0232, 0233-0234, 0235-0236, 0237-0238, 0239-0240, 0241-0242, 0243-0244, 0245-0246, 0247-0248, 0249-0250, 0251-0252, 0253-0254, 0255-0256, 0257-0258, 0259-0260, 0261-0262, 0263-0264, 0265-0266, 0267-0268, 0269-0270, 0271-0272, 0273-0274, 0275-0276, 0277-0278, 0279-0280, 0281-0282, 0283-0284, 0285-0286, 0287-0288, 0289-0290, 0291-0292, 0293-0294, 0295-0296, 0297-0298, 0299-0300, 0301-0302, 0303-0304, 0305-0306, 0307-0308, 0309-0310, 0311-0312, 0313-0314, 0315-0316, 0317-0318, 0319-0320, 0321-0322, 0323-0324, 0325-0326, 0327-0328, 0329-0330, 0331-0332, 0333-0334, 0335-0336, 0337-0338, 0339-0340, 0341-0342, 0343-0344, 0345-0346, 0347-0348, 0349-0350, 0351-0352, 0353-0354, 0355-0356, 0357-0358, 0359-0360, 0361-0362, 0363-0364, 0365-0366, 0367-0368, 0369-0370, 0371-0372, 0373-0374, 0375-0376, 0377-0378, 0379-0380, 0381-0382, 0383-0384, 0385-0386, 0387-0388, 0389-0390, 0391-0392, 0393-0394, 0395-0396, 0397-0398, 0399-0400, 0401-0402, 0403-0404, 0405-0406, 0407-0408, 0409-0410, 0411-0412, 0413-0414, 0415-0416, 0417-0418, 0419-0420, 0421-0422, 0423-0424, 0425-0426, 0427-0428, 0429-0430, 0431-0432, 0433-0434, 0435-0436, 0437-0438, 0439-0440, 0441-0442, 0443-0444, 0445-0446, 0447-0448, 0449-0450, 0451-0452, 0453-0454, 0455-0456, 0457-0458, 0459-0460, 0461-0462, 0463-0464, 0465-0466, 0467-0468, 0469-0470, 0471-0472, 0473-0474, 0475-0476, 0477-0478, 0479-0480, 0481-0482, 0483-0484, 0485-0486, 0487-0488, 0489-0490, 0491-0492, 0493-0494, 0495-0496, 0497-0498, 0499-0500, 0501-0502, 0503-0504, 0505-0506, 0507-0508, 0509-0510, 0511-0512, 0513-0514, 0515-0516, 0517-0518, 0519-0520, 0521-0522, 0523-0524, 0525-0526, 0527-0528, 0529-0530, 0531-0532, 0533-0534, 0535-0536, 0537-0538, 0539-0540, 0541-0542, 0543-0544, 0545-0546, 0547-0548, 0549-0550, 0551-0552, 0553-0554, 0555-0556, 0557-0558, 0559-0560, 0561-0562, 0563-0564, 0565-0566, 0567-0568, 0569-0570, 0571-0572, 0573-0574, 0575-0576, 0577-0578, 0579-0580, 0581-0582, 0583-0584, 0585-0586, 0587-0588, 0589-0590, 0591-0592, 0593-0594, 0595-0596, 0597-0598, 0599-0600, 0601-0602, 0603-0604, 0605-0606, 0607-0608, 0609-0610, 0611-0612, 0613-0614, 0615-0616, 0617-0618, 0619-0620, 0621-0622, 0623-0624, 0625-0626, 0627-0628, 0629-0630, 0631-0632, 0633-0634, 0635-0636, 0637-0638, 0639-0640, 0641-0642, 0643-0644, 0645-0646, 0647-0648, 0649-0650, 0651-0652, 0653-0654, 0655-0656, 0657-0658, 0659-0660, 0661-0662, 0663-0664, 0665-0666, 0667-0668, 0669-0670, 0671-0672, 0673-0674, 0675-0676, 0677-0678, 0679-0680, 0681-0682, 0683-0684, 0685-0686, 0687-0688, 0689-0690, 0691-0692, 0693-0694, 0695-0696, 0697-0698, 0699-0700, 0701-0702, 0703-0704, 0705-0706, 0707-0708, 0709-0710, 0711-0712, 0713-0714, 0715-0716, 0717-0718, 0719-0720, 0721-0722, 0723-0724, 0725-0726, 0727-0728, 0729-0730, 0731-0732, 0733-0734, 0735-0736, 0737-0738, 0739-0740, 0741-0742, 0743-0744, 0745-0746, 0747-0748, 0749-0750, 0751-0752, 0753-0754, 0755-0756, 0757-0758, 0759-0760, 0761-0762, 0763-0764, 0765-0766, 0767-0768, 0769-0770, 0771-0772, 0773-0774, 0775-0776, 0777-0778, 0779-0780, 0781-0782, 0783-0784, 0785-0786, 0787-0788, 0789-0790, 0791-0792, 0793-0794, 0795-0796, 0797-0798, 0799-0800, 0801-0802, 0803-0804, 0805-0806, 0807-0808, 0809-0810, 0811-0812, 0813-0814, 0815-0816, 0817-0818, 0819-0820, 0821-0822, 0823-0824, 0825-0826, 0827-0828, 0829-0830, 0831-0832, 0833-0834, 0835-0836, 0837-0838, 0839-0840, 0841-0842, 0843-0844, 0845-0846, 0847-0848, 0849-0850, 0851-0852, 0853-0854, 0855-0856, 0857-0858, 0859-0860, 0861-0862, 0863-0864, 0865-0866, 0867-0868, 0869-0870, 0871-0872, 0873-0874, 0875-0876, 0877-0878, 0879-0880, 0881-0882, 0883-0884, 0885-0886, 0887-0888, 0889-0890, 0891-0892, 0893-0894, 0895-0896, 0897-0898, 0899-0900, 0901-0902, 0903-0904, 0905-0906, 0907-0908, 0909-0910, 0911-0912, 0913-0914, 0915-0916, 0917-0918, 0919-0920, 0921-0922, 0923-0924, 0925-0926, 0927-0928, 0929-0930, 0931-0932, 0933-0934, 0935-0936, 0937-0938, 0939-0940, 0941-0942, 0943-0944, 0945-0946, 0947-0948, 0949-0950, 0951-0952, 0953-0954, 0955-0956, 0957-0958, 0959-0960, 0961-0962, 0963-0964, 0965-0966, 0967-0968, 0969-0970, 0971-0972, 0973-0974, 0975-0976, 0977-0978, 0979-0980, 0981-0982, 0983-0984, 0985-0986, 0987-0988, 0989-0990, 0991-0992, 0993-0994, 0995-0996, 0997-0998, 0999-1000, 1001-1002, 1003-1004, 1005-1006, 1007-1008, 1009-1010, 1011-1012, 1013-1014, 1015-1016, 1017-1018, 1019-1020, 1021-1022, 1023-1024, 1025-1026, 1027-1028, 1029-1030, 1031-1032, 1033-1034, 1035-1036, 1037-1038, 1039-1040, 1041-1042, 1043-1044, 1045-1046, 1047-1048, 1049-1050, 1051-1052, 1053-1054, 1055-1056, 1057-1058, 1059-1060, 1061-1062, 1063-1064, 1065-1066, 1067-1068, 1069-1070, 1071-1072, 1073-1074, 1075-1076, 1077-1078, 1079-1080, 1081-1082, 1083-1084, 1085-1086, 1087-1088, 1089-1090, 1091-1092, 1093-1094, 1095-1096, 1097-1098, 1099-1100, 1101-1102, 1103-1104, 1105-1106, 1107-1108, 1109-1110, 1111-1112, 1113-1114, 1115-1116, 1117-1118, 1119-1120, 1121-1122, 1123-1124, 1125-1126, 1127-1128, 1129-1130, 1131-1132, 1133-1134, 1135-1136, 1137-1138, 1139-1140, 1141-1142, 1143-1144, 1145-1146, 1147-1148, 1149-1150, 1151-1152, 1153-1154, 1155-1156, 1157-1158, 1159-1160, 1161-1162, 1163-1164, 1165-1166, 1167-1168, 1169-1170, 1171-1172, 1173-1174, 1175-1176, 1177-1178, 1179-1180, 1181-1182, 1183-1184, 1185-1186, 1187-1188, 1189-1190, 1191-1192, 1193-1194, 1195-1196, 1197-1198, 1199-1200, 1201-1202, 1203-1204, 1205-1206, 1207-1208, 1209-1210, 1211-1212, 1213-1214, 1215-1216, 1217-1218, 1219-1220, 1221-1222, 1223-1224, 1225-1226, 1227-1228, 1229-1230, 1231-1232, 1233-1234, 1235-1236, 1237-1238, 1239-1240, 1241-1242, 1243-1244, 1245-1246, 1247-1248, 1249-1250, 1251-1252, 1253-1254, 1255-1256, 1257-1258, 1259-1260, 1261-1262, 1263-1264, 1265-1266, 1267-1268, 1269-1270, 1271-1272, 1273-1274, 1275-1276, 1277-1278, 1279-1280, 1281-1282, 1283-1284, 1285-1286, 1287-1288, 1289-1290, 1291-1292, 1293-1294, 1295-1296, 1297-1298, 1299-1300, 1301-1302, 1303-1304, 1305-1306, 1307-1308, 1309-1310, 1311-1312, 1313-1314, 1315-1316, 1317-1318, 1319-1320, 1321-1322, 1323-1324, 1325-1326, 1327-1328, 1329-1330, 1331-1332, 1333-1334, 1335-1336, 1337-1338, 1339-1340, 1341-1342, 1343-1344, 1345-1346, 1347-1348, 1349-1350, 1351-1352, 1353-1354, 1355-1356, 1357-1358, 1359-1360, 1361-1362, 1363-1364, 1365-1366, 1367-1368, 1369-1370, 1371-1372, 1373-1374, 1375-1376, 1377-1378, 1379-1380, 1381-1382, 1383-1384, 1385-1386, 1387-1388, 1389-1390, 1391-1392, 1393-1394, 1395-1396, 1397-1398, 1399-1400, 1401-1402, 1403-1404, 1405-1406, 1407-1408, 1409-1410, 1411-1412, 1413-1414, 1415-1416, 1417-1418, 1419-1420, 1421-1422, 1423-1424, 1425-1426, 1427-1428, 1429-1430, 1431-1432, 1433-1434, 1435-1436, 1437-1438, 1439-1440, 1441-1442, 1443-1444, 1445-1446, 1447-1448, 1449-1450, 1451-1452, 1453-1454, 1455-1456, 1457-1458, 1459-1460, 1461-1462, 1463-1464, 1465-1466, 1467-1468, 1469-1470, 1471-1472, 1473-1474, 1475-1476, 1477-1478, 1479-1480, 1481-1482, 1483-1484, 1485-1486, 1487-1488, 1489-1490, 1491-1492, 1493-1494, 1495-1496, 1497-1498, 1499-1500, 1501-1502, 1503-1504, 1505-1506, 1507-1508, 1509-1510, 1511-1512, 1513-1514, 1515-1516, 1517-1518, 1519-1520, 1521-1522, 1523-1524, 1525-1526, 1527-1528, 1529-1530, 1531-1532, 1533-1534, 1535-1536, 1537-1538, 1539-1540, 1541-1542, 1543-1544, 1545-1546, 1547-1548, 1549-1550, 1551-1552, 1553-1554, 1555-1556, 1557-1558, 1559-1560, 1561-1562, 1563-1564, 1565-1566, 1567-1568, 1569-1570, 1571-1572, 1573-1574, 1575-1576, 1577-1578, 1579-1580, 1581-1582, 1583-1584, 1585-1586, 1587-1588, 1589-1590, 1591-1592, 1593-1594, 1595-1596, 1597-1598, 1599-1600, 1601-1602, 1603-1604, 1605-1606, 1607-1608, 1609-1610, 1611-1612, 1613-1614, 1615-1616, 1617-1618, 1619-1620, 1621-1622, 1623-1624, 1625-1626, 1627-1628, 1629-1630, 1631-1632, 1633-1634, 1635-1636, 1637-1638, 1639-1640, 1641-1642, 1643-1644, 1645-1646, 1647-1648, 1649-1650, 1651-1652, 1653-1654, 1655-1656, 1657-1658, 1659-1660, 1661-1662, 1663-1664, 1665-1666, 1667-1668, 1669-1670, 1671-1672, 1673-1674, 1675-1676, 1677-1678, 1679-1680, 1681-1682, 1683-1684, 1685-1686, 1687-1688, 1689-1690, 1691-1692, 1693-1694, 1695-1696, 1697-1698, 1699-1700, 1701-1702, 1703-1704, 1705-1706, 1707-1708, 1709-1710, 1711-1712, 1713-1714, 1715-1716, 1717-1718, 1719-1720, 1721-1722, 1723-1724, 1725-1726, 1727-1728, 1729-1730, 1731-1732, 1733-1734, 1735-1736, 1737-1738, 1739-1740, 1741-1742, 1743-1744, 1745-1746, 1747-1748, 1749-1750, 1751-1752, 1753-1754, 1755-1756, 1757-1758, 1759-1760, 1761-1762, 1763-1764, 1765-1766, 1767-1768, 1769-1770, 1771-1772, 1773-1774, 1775-1776, 1777-1778, 1779-1780, 1781-1782, 1783-1784, 1785-1786, 1787-1788, 1789-1790, 1791-1792, 1793-1794, 1795-1796, 1797-1798, 1799-1800, 1801-1802, 1803-1804, 1805-1806, 1807-1808, 1809-1810, 1811-1812, 1813-1814, 1815-1816, 1817-1818, 1819-1820, 1821-1822, 1823-1824, 1825-1826, 1827-1828, 1829-1830, 1831-1832, 1833-1834, 1835-1836, 1837-1838, 1839-1840, 1841-1842, 1843-1844, 1845-1846, 1847-1848, 1849-1850, 1851-1852, 1853-1854, 1855-1856, 1857-1858, 1859-1860, 1861-1862, 1863-1864, 1865-1866, 1867-1868, 1869-1870, 1871-1872, 1873-1874, 1875-1876, 1877-1878, 1879-1880, 1881-1882, 1883-1884, 1885-1886, 1887-1888, 1889-1890, 1891-1892, 1893-1894, 1895-1896, 1897-1898, 1899-1900, 1901-1902, 1903-1904, 1905-1906, 1907-1908, 1909-1910, 1911-1912, 1913-1914, 1915-1916, 1917-1918, 1919-1920, 1921-1922, 1923-1924, 1925-1926, 1927-1928, 1929-1930, 1931-1932, 1933-1934, 1935-1936, 1937-1938, 1939-1940, 1941-1942, 1943-1944, 1945-1946, 1947-1948, 1949-1950, 1951-1952, 1953-1954, 1955-1956, 1957-1958, 1959-1960, 1961-1962, 1963-1964, 1965-1966, 1967-1968, 1969-1970, 1971-1972, 1973-1974, 1975-1976, 1977-1978, 1979-1980, 1981-1982, 1983-1984, 1985-1986, 1987-1988, 1989-1990, 1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204,